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Response
6-18·02

IN THE U. S. PATENT AND TRADEMARK OFFICE

In re Application of: Hasselbrink

Art Unit: 2855

Serial Number: **09/695,816**

Examiner: Thompson, J.

Filed: **10/4/2000**

Attorney Docket No.: SD-8298

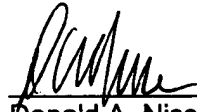For: **MOBILE MONOLITHIC POLYMER ELEMENTS FOR FLOW CONTROL IN MICROFLUDIC DEVICES**

Assistant Commissioner for Patents
Washington, D. C. 20231

RESPONSE

This paper is submitted in response to a Notice of Non-Compliant Amendment

(37 CFR 1.121) dated 07/07/02. A clean version of the amended claims is submitted

herewith as a separate paper.

Respectfully submitted,

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Date: 5/21/02

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14. (amended) A device for controlling fluid flow in a microchannel

system, comprising:

a microchannel system disposed on a substrate, the microchannel

system comprising a microchannel intersecting a cavity, wherein the

cavity divides the intersecting microchannel into an inlet channel and an

outlet channel; and

a rotatable polymer disc disposed on a hub within the cavity,

wherein said rotatable polymer disc has projections distributed around its

circumference such that rotation of polymer disc delivers a fixed volume

of fluid from the inlet channel to the outlet channel.

15. (amended) The device of claim 14, further including means for

detecting the rotation of said polymer disc.

Certificate of Mailing Under 37 CFT § 1.8

I hereby certify that this correspondence and documents referred to herein (**Response**) were deposited with the United States Postal Service addressed to:

Assistant Commissioner for Patents, Washington, DC 20231

on the date shown below:

Date of Deposit: MAY 21, 2002

Person Making Deposit: Dora Da Rosa   Signature: Dora Da Rosa

Application Serial No. —09/695,816 – SD-8298   For Applicant(s): Hasselbrink